

S E C R E T

APPENDIX B

FREE WORLD TRADE IN RUBBER DURING 1951

Tables of 1951 exports and imports of all types of rubber (natural, synthetic, and reclaimed) are shown in the attached tables by country and area of the Free World.

These figures must not necessarily be considered as complete nor do they represent net trade since statistics are not available in sufficient detail to enable the derivation of such figures within the time limits of this report.

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APPENDIX B - FOREIGN TRADE OF NATURAL, SYNTHETIC, AND RECLAIMED RUBBER IN THE FIELD WORLD DURING 1971. (in long tons)^{a/}

Country	IMPORTS			EXPORTS			Total	
	Natural	Synthetic	Reclaimed	Total	Natural	Synthetic	Reclaimed	
NORTH AMERICA	796,005	12,145	13,318	821,468	4,431	8,522	14,744	27,697
Canada	48,000	1,652	11,698	61,350	N.A.	N.A.	N.A.	N.A.
Cuba	2,080	293	353	2,726	-	-	-	-
Mexico	13,000	115	500	13,615	1,619	-	-	1,619
United States	732,925	10,085	767	743,777	2,812	8,522	14,744	26,078
SOUTH AMERICA	37,625	226	2,565	40,416	2,293	0	0	2,293
Argentina	23,500	39	1,900	24,439	-	-	-	-
Bolivia	-	-	6	6	1,213	-	-	1,213
Brazil	8,836	131	63	9,030	471	-	-	471
Chile	2,000	12	14	2,026	-	-	-	-
Colombia	190	16	129	335	-	-	-	-
Costa Rica	17	-	-	17	8	-	-	8
Ecuador	-	-	-	-	363	-	-	363
Nicaragua	-	-	-	-	170	-	-	170
Panama	-	-	-	-	66	-	-	66
Peru	609	3	9	621	-	-	-	-
Uruguay	2,300	21	114	2,435	-	-	-	-
Venezuela	173	4	330	507	-	-	-	-
FAR EAST and SOUTH PACIFIC	679,450	654	1,626	681,730	2,303,007	0	0	2,303,007
Australia	56,294	196	434	56,924	-	-	-	-
British Borneo	-	0	-	-	21,000	-	-	21,000
Burma	-	-	-	-	14,500	-	-	14,500
Ceylon	None	None	None	None	103,633	None	None	103,633
Formosa	691	-	-	691	-	-	-	-
India	6,885	0	585	7,470	130	-	-	130
Indochina	-	-	-	-	52,302	-	-	52,302
Indonesia*	-	-	-	-	793,660	-	-	793,660

* Including Java, Sumatra, Borneo, and East Indonesia. - B-2 -

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Country	IMPORTS			EXPORTS			Total	
	Natural	Synthetic	Reclaimed	Natural	Synthetic	Reclaimed		
Japan	60,448	443	N.A.	60,891	-	-	-	
Malaya	547,106	-	-	547,106	1,155,267 ^{b/}	-	1,155,267	
New Zealand	8,000	15	585	8,600	-	-	2,709	
Oceania	-	-	-	-	2,709	-	2,709	
Other Asia	-	-	-	-	2,300	-	2,300	
Philippines	26	-	22	48	1,000	-	1,000	
Sarawak	-	-	-	-	42,531	-	42,531	
Thailand	-	-	-	-	113,975	-	113,975	
 EUROPE includ- ing ENGLAND	 786,187	 28,85	 3,660	 818,742	 109,941	 141.5	 12,539	 122,621
Austria	8,857	80	141	9,807	-	-	-	
Belgium-Luxembourg	21,424	1,201	417	23,041	2,572	-	2,572	
Denmark	6,543	10	280	6,923	N.A.	-	-	
Finland	7,67	15	70	7,487	-	-	-	
France	131,872	10,05	51	137,947	N.A.	N.A.	N.A.	
Germany, West	90,221	6,522	705	97,448	7	141.5	7,190	
Greece	625	6	127	831	-	-	-	
Israel	307	N.A.	307	-	-	-	-	
Italy	52,008	4,315	87	56,410	N.A.	N.A.	N.A.	
Lebanon-Syria	26	-	254	280	-	-	-	
Netherlands	64,011	176	205	64,392	46,000 ^{a/}	-	215	
Norway	5,206	210	-	5,416	-	-	-	
Pakistan	1,200	7	-	1,207	-	-	-	
Portugal	2,736	26	47	2,762	-	-	-	
Spain	7,319	30	-	7,329	-	-	-	
Sweden	16,981	251	856	18,089	-	-	-	
Switzerland	7,771	301	295	8,937	2,000 ^{a/}	2/	1,000	
Turkey	3,500	-	-	3,500	-	-	-	
United Kingdom	359,808	4,749	172	364,729	60,362	2	4,397	
Yugoslavia	6,500	N.A.	N.A.	6,500	-	-	-	

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Country	IMPORTS			Total	EXPORTS			Total
	Natural	Synthetic	Reclaimed		Natural	Synthetic	Reclaimed	
AFRICA	27,786	144	1,594	29,524	69,283	-	1	69,284
Algeria	819	-	-	819	300	-	-	300
Belgian Congo	-	-	-	-	11,975	-	-	11,975
Egypt	714	-	13	727	-	-	-	-
French Morocco	365	42	77	484	-	-	1	1
French W. Africa	207	-	-	207	976	-	-	976
Liberia	-	-	-	-	34,799	-	-	34,799
Nigeria	-	-	-	-	233	-	-	21,233
South Africa	25,681	102	1,504	27,287	-	-	-	-
GRAND TOTAL	2,327,053 ^{f/}	42,064 ^{f/}	22,763 ^{f/}	2,391,880 ^{f/}	2,488,953 ^{f/}	8,663 ^{f/}	27,284 ^{f/}	2,524,900 ^{f/}

a. The following countries of the Free World have not been included in tables, because such information is not presently available.

North America	South America	Far East and South Pacific	Europe and UK	Africa
Dominican Republic			Afghanistan	Ethiopia
El Salvador			Iran	Nepal
Guatemala			Iraq	
Haiti				
Honduras				
Puerto Rico				

b. Includes rubber imported from other producing areas.

c. Presumably re-exports.

d. Waste rubber amounting to around 3,000 tons estimated imported in 1951.

e. Including some reclaimed rubber.

f. Figures for imports and exports are incomplete. Far East data was obtained mainly from Rubber Statistical Bulletins; other data derived from various reports. Net exports from producing areas are reported at 1,827,000 and new supply of rubber to consuming areas at 1,827,500, according to Rubber Statistical Bulletin, June 1952. Figures above represent actual foreign trade by countries, including re-exports, where available.

APPENDIX C

RUBBER FABRICATING PLANTS OF FREE WORLD AREA AS OF 1951

The major rubber fabricating plants of the countries of the Free World are included in the following pages. So far as is known, all tire manufacturing plants are listed. No attempt has been made to make a list of every plant fabricating rubber goods, since such a list would be too long. However, it is believed that major plants of sufficient size and order are shown to indicate the general magnitude of the rubber industry of each of the countries of the Free World.

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APPENDIX C.

FABRICATION OF RUBBER END ITEMS IN THE
COUNTRIES OF THE FREE WORLD DURING 1951.

A. NORTH AMERICA

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
<u>CANADA</u>						
Acton Vale	Acton Rubber Ltd.				x	
Batawa	Bata Shoe Co. of Canada Ltd.				x	
Bowmanville - New Toronto and Quebec	Goodyear Tire & Rubber Co. of Canada Ltd.	x		x		
Brantford	Canadian Durex Abrasives Ltd.			x		
Drummondville	Holtite Rubber Co. of Canada Ltd.				x	
Farnham	American Wringer Co. of Canada St. Lawrence Rubber Co. Ltd.			x	x	
Fort Erie	Pierce & Stevens Canada Ltd.			x		
Galt	Canadian General-Tower, Ltd.			x		
Granby	Miner Rubber Co. Ltd.			x	x	
Hamilton	Dowswell, Lees & Co. Ltd. Firestone Tire & Rubber Co. of Canada Ltd.	x		x		
Kitchener	B.F. Goodrich Rubber Co. of Canada Ltd. Kaufman Rubber Co. Ltd.	x		x	x	x
Lachine	British Rubber Co. of Canada Ltd.	x		x	x	
Montreal and St. Jerome	Dominion Rubber Co. Ltd.	x				
Montreal	M. Bloomfield & Sons Ltd. Allied Rubber, Inc. Joseph Robb & Co. Ltd.			x	x	x
Moose Jaw	Hodgson Rubber Co.			x		
New Toronto	Goodyear Tire & Rubber Co. of Canada Ltd.	2,000,000		x		
Oakville	Barrington Rubber & Plastics			x		
Ottawa	Reanite Corp. Eastview			x		
Peterboro	Canadian Raybestos Co. Ltd.			x		
Port Coquitlam	Huntington Rubber Mills of Canada Ltd.			x		
St. Lambert	Asbestones Corporation Ltd.			x		
Stratford	G. L. Griffith & Sons Ltd.			x		

APPENDIX C. (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
<u>CANADA (Cont'd)</u>						
St. Marys	Maxwell, Ltd.			x		
St. Remis	Cambridge Rubber Ltd. Paraplastics Ltd.			x	x	
Sherbrooke	Bemis Associates of Canada Ltd. Panther Rubber Co. Ltd.			x	x	
Toronto	Biltrite Tire Co. Ltd.			x		
	Canadian Rubber Products Co. Ltd.			x		
	Dayton Rubber Co. Canada.			x		
	Dunlop Tire & Rubber Goods Co. Ltd.	x		x		
	Gutta Percha & Rubber Ltd.			x	x	
Seiberling Rubber Co. of Canada Ltd.			x	x		
Vancouver	Hayes Rubber Products Ltd. A.C. Rubber Mfg. Co. Ltd.			x	x	
Windsor	Canadian Collord Products Ltd.			x		
TOTAL TIRES FOR COMPANIES LISTED		5,000,000	100%			
PERCENT OF FREE WORLD TOTAL			3.5%			

CUBA

Havana	Cia Cubana de Cacho Denman Rubber Co. Cia Goodrich Cubana A. Hernandez	65,861	68%	x	x	
Matanzas	Cia Industrial de Goma			x	x	
Loma de Tierra	U. S. Rubber Company			x	x	
Rancho Boyeros	Productos Fibracuero Soledal				x	
San Jose	Goodyear Tire & Rubber Co. of Cuba	44,352	32%			
Actual Total - All Companies Listed		110,213	100%			
PERCENT OF FREE WORLD TOTAL			.1%			

MEXICO

Guadalajara	Artefactos de Hule de Guadalajara La Estrella, S.R.L. Peletera Occidental, SA Productos Latez, SA			x	x	x
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APPENDIX C. (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
<u>MEXICO (Cont'd)</u>						
Leon, Gto	Hulera del Bajio			x	x	x
Mexico City	Carlos Garica Lapuente Cia para la Regeneracion del Hule Distribuidora Elmon, S.R.L. El Rayo, SA Enrique Shor Piensker Fabrica de Tapas Memo Hule y Latex SA Hule y Plasticos Rayo, SA Hulera "El Faro" SA, El Centenario Hulera El Plamar, S.R.L. Hulera El Pope (General) Hulera Euzkadi, SA (Goodrich) Hulera Goodyear OKO SA Hulera Industrial Mexicana SA Hules Industriales, S.R.L.	150,000 235,000 240,000	22% 33% 34%	x x x	x x x	x
	Julio Nasta Manufacturas de Hule "El Mundo" SA Luciano Ruiz Reconstructora Llantera, SA Tennis Eterno, S.R.L. U.S. Rubber Mexicana, SA Vulcanizadora Electrica	Cycle		x x x x x x	x x x x	x
Naucalpan	Cia Hulera Avco, SA				x	x
Puebla	Jose A. Ruiz "Los Angeles"			x	x	
Actual Total - All Companies Listed		700,000	100%			
PERCENT OF FREE WORLD TOTAL			.5%			

UNITED STATESCALIFORNIA

Los Angeles	Kirkhill Rubber Co.	x
Oakland	Oliver Tire & Rubber Co. Camelback	

COLORADO

Denver	Gates Rubber Co.	x	x	x
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CONNECTICUT

New Haven	Seamless Rubber Co.	x
West Haven	Armstrong Tire & Rubber Co.	x

APPENDIX C. (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
<u>UNITED STATES (Cont'd)</u>						
<u>ILLINOIS</u>						
Chicago	Dryden Rubber Company	x		x		x
<u>INDIANA</u>						
Elkhart	Elkhart Rubber Works			x		
Lafayette	Brown Rubber Company					
<u>MASSACHUSETTES</u>						
Boston	Boston W. Hose & Rubber Co.			x		
Watertown	Hood Rubber Company				x	
<u>MICHIGAN</u>						
Detroit	U.S. Rubber Company Minnesota Mining & Mfg. Co.	x		x	x	x
Pontiac	Baldwin			x		
St. Joseph	Industrial Rubber Goods			x		
<u>NEW JERSEY</u>						
Garfield	Accurate Mfg. Co.			x		
Passaic	Manhattan Rubber Co.			x		
Trenton	Hamilton Rubber Co.			x		x
<u>NEW YORK</u>						
Buffalo	Dunlop Rubber Company Hewitt Robbins Inc.	x		x		x
New York	U.S. Rubber Company	x		x	x	
<u>OHIO</u>						
Akron	Firestone Industrial Products Co. General Tire & Rubber Co. B.F. Goodrich Goodyear Tire & Rubber Co.	x x x x		x x x x		x
Ashland	Faultless Rubber Co. Firestone Tire & Rubber Co. Goodrich Tire & Rubber Co. Goodyear Tire & Rubber Co.	x x x x		x x x x	x	x
Barberton	Seiberling Tire & Rubber Co. Sun Rubber Company	x			x x	x
Coshocton	Lee Tire & Rubber Co.	x				
Chardon	Chardon Rubber Co.			x		

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APPENDIX C. (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
<u>OHIO (Cont'd)</u>						
Dayton	Dayton Rubber Co.	x		x		x
Garrettsville	Polson Rubber Co.	x				
Painesville	Ohio Rubber Company			x	x	x
Warren	Denman Rubber Mfg. Co.	x				
Youngstown	Lee Rubber & Tire Corp. Republic Rubber Div.			x		
<u>PENNSYLVANIA</u>						
Erie	Continental Rubber Co.			x		
<u>RHODE ISLAND</u>						
Providence	Goodyear Footwear Corp.				x	
<u>VIRGINIA</u>						
East Butler	Castle Rubber Co.			x		
<u>WISCONSIN</u>						
La Crosse	La Crosse Rubber Mills Co.				x	
Actual Total - All Companies Listed	92,170,616	100.				
PERCENT OF FREE WORLD TOTAL			64.6%			
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GRAND TOTAL	97,980,829					
PERCENT OF FREE WORLD		68.7%				
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FABRICATION OF RUBBER END ITEMS IN THE
COUNTRIES OF THE FREE WORLD DURING 1951.

B. SOUTH AMERICA

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
Buenos Aires (Cont'd)						
	Olive & Co., Enrique			x		
	Pitteluga and Co.			x	x	
	Plastica Bernabó			x		x
	Rego					
	Rego Tex.			x		
	Rios, Domingo G.			x		
	Robles and Cia			x		
	Rodrigues Andia y Cia			x		
	Tensil S.R.L.			x		
	Todogoma					x
	Villa Aufricht & Co.					x
Cordoba	Rigamonti, Pedro			x		
	Segovia, Angel					x
Hurlingham	Gismondi Hnos & Calfa S.R.L.	360,000	38%	x	x	
	Neumaticos Goodyear SA*			x	x	
Munro	Zapater Diaz & Co.		cycle	x	x	
Murguiondo	Alzagomina S.R.L.					
Rosario	T E M A S.R.L			x		
	Levit, Luis M.			x		
	Libert & Co.					
Salvigny	Keten, Sergio H.			x	x	
San Martin	Cantex S.R.L.			x		
	Fabril del Caucho Corp.			x		
Santo Fe	Principi Hnos y Feresi		cycle			
Tablada	Mira, Dino			x		
V Ballester	Di Giacomo R.			x		
Actual Total - All Companies Listed		940,000	100%			

* Goodyear manufacturers for Dunlop, Kelly, and India. Pirelli manufacturers for U.S. and Atlas, and Pirelli.
 ** 1952 estimated capacity 150,000. Firestone manufacturers for U.S. and Atlas.

PERCENT OF FREE WORLD TOTAL .66%

BOLIVIA

La Paz	Fabrica Nacional de Gomas Beni	Camelback	x
Magona	Manufacturas de Goma Nacional Magona		x
Manaco	Manufacura Nacional de Calzados		x
Actual Total - All Companies Listed		0	
PERCENT OF FREE WORLD TOTAL		0%	

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
<u>BRAZIL</u>						
Casapava	Cacapava, Fabrica de Tecidas e Artefatos de Borracha				x	
P. Alegra	D. Vander Halen			x	x	
Rio de Janeiro	Cia Brasiliense de Artefatos de Borracha (Pneus, Braul.)	175,000	12%			
	M. Carrione			x		
	Fabrik Phenix Productos Quimicas			x		
	Fab Solar			x		
	N. Hamer and Cia			x		
	A. Lemgruber and Cia			x		
	C. Pereira and Cia			x		
	Productos Latex y Cia			x		
	Ribeiro Sanches			x		
	Somil Soc. Meccanica para Industria e Lonoma			x		
San Leopoldo	Maba			x	x	
Santo Andres	Industrial de Pneumaticos Firestone SA	465,000	32%	x		
Santa Cruz	Giesek and Cia			x		
San Paulo	Arc., Ltd. Art Bur Bros Auto Borracha C. Bastos and Cia Campana and Cia Cesar and Bana Comfortovel Eureka SA Fab Fatima Fabrica Gernade, Ltd. Fabricas Orion SA	cycle		x	x	
	Fab Triangulo			x	x	
	Goodyear de Brazil*	570,000	40%	x***	x	
	Ind Manfredi			x		
	Irmaos Pedersol			x		
	Luncke, Carlos			x		
	J. Martinez and Cia (Mfg de Borracha Amazonas)			x		
	Nogem SA, Mfg de Artigas de Borracha			x		
	Page, Mfg de Artigas de Borracha e Plastics			x		
	Paraense			x		
	J. Ruiz and Cia			x		
	Saad y Cia			x		
	Superba SA			x		
	United Shoe			x		
	Pirelli**	245,000	16%	x		
Actual Total - All Companies Listed		1,500,000	100%			

*Goodyear manufacturers for Dunlop and Kelly.

**Pirelli manufacturers for Atlas and U.S.

***Goodyear manufacturers for Dunlop.

PERCENT OF FREE WORLD TOTAL

1.05%

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH.	FOOT WEAR	DRUG SUNDRIES
				RUBBER GOODS		
Quilpué	Industrias de la Goma			x	x	x
Santiago	Catecu Ltda (Bata)				x	
	De Vicente Hnos				x	
	Industria Nacional de Neumatics, SA (INSA)	130,000	100%	x		
	Revia y Prado			x		
	Cia Manufactura de Cauchos Lolas			x		
	Mfg. Chilenas de Cauchos Ltd.	Cycle		x	x	
	Radillo y Legarreta				x	
	Rodríguez Kornfeld y Cia			x		
Valparaíso/ Quilpué	Chiappe y Cia			x		
Actual Total - All Companies Listed		130,000	100%			
PERCENT OF FREE WORLD TOTAL			.09%			

COLOMBIA

Bogota	Industria Colombiana de LLantas (Icollantais) (Goodrich)	130,000	78%			
	Villegas de Hnos Ltd.			x		
	Tab de Productus de Cauchos Jof			x		
Bucaramanga	Cia Ind de Carlos Reger			x		
Cali	Croyden del Pacific (U.S.)			x	x	
	Goodyear Colombia SA	43,000	22%		x	
Medellin	Atlantico			x		
	Cia de Productos de Cauchos Grulla			x	x	
	El Sol			x	x	
	Job, Fabrica de Productus de Cauchos			x		
	La Colosal			x	x	
	Mologa			x		
	Resist			x		
Actual Total - All Companies Listed		173,000	100%			
PERCENT OF FREE WORLD TOTAL			.12%			

DOMINICAN
REPUBLIC

Ciudad Trujillo	Celsa Perex C Por A			x		
Actual Total - All Companies Listed		0				
PERCENT OF FREE WORLD TOTAL			0%			

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LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. GOODS	RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
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GUATEMALA

Manuel Maria Herrea		x
Compania Guatemaltica Nevea		x
Compania Guatemaltica Incaticu		x
Alfredo Mendez Zebadua y Cia		x

Actual Total - All Companies Listed 0

PERCENT OF FREE WORLD TOTAL 0%

HONDURAS

Juan S. Canahuati y Cia (Iteca Products)		x
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Actual Total - All Companies Listed 0

PERCENT OF FREE WORLD TOTAL 0%

PERU

Callao	Fabrica de Calzado "El Peruana" SA (Bata)	Camelback	x	x		
	Productos Leo, SA		x			
	Ronald & Co. SA	Camelback		x		
Lima	Cia Goodyear del Peru*	108,000	100%	x	x	x
	Mfg. de Jebe, SA			x	x	
	Productos Ausaco, SA			x	x	

* Manufacturers for Dunlop.

Actual Total - All Companies Listed 108,000 100%

PERCENT OF FREE WORLD TOTAL .07%

URUGUAY

Montevideo	Elaboradora Rioplatense del Caucho y Afines		x		x
	Fabrica Uruguay de Neumaticas (FUNSA)	87,939	x	x	
	Radesca y Cia		x		
	Ricardo Moro Rogan		x		
Actual Total - All Companies Listed	87,939	100%			
PERCENT OF FREE WORLD TOTAL		.07%			

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LOCATION	NAME OF COMPANY	TIRES	MECH.			
			% OF TOTAL	RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES

VENEZUELA

Caracas	Anonima Nacional Mfg de Cauchos y Neumaticas (General)	126,173**	100%			
	Hernandez Diaz y Cia			x	x	
	Royal Venezolano (US)*			x		
	Tyresolol de Venezuela Cia			x		

Valencia	Firestone Tire & Rubber Co.*		x
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* Not yet in production; to have capacity of some 150,000 passenger and truck tires.

** 1952 production expected to be from 150,000 to 300,000 tires.

Actual Total - All Companies Listed	126,173	100%
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PERCENT OF FREE WORLD TOTAL	.08%
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GRAND TOTAL

Tires produced	3,065,112
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Percent of Free World Total	2.1%
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APPENDIX C

FABRICATION OF RUBBER END ITEMS IN THE
COUNTRIES OF THE FREE WORLD DURING 1951.

C. FAR EAST and SOUTH PACIFIC

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
<u>AUSTRALIA</u>						
Adelaide	South Australian Rubber Mills			x		
Brisbane	North Australian Rubber Mills			x		
Brisbane/ Melbourne	Olympic T & R Co.	600,000	25%	x		
Granville/ Sydney	Advanx T & R Co., Pty. Ltd. Hardie Rubber Co.	160,000	6%			
Manly	Sinden T & R Co.			x	x	
Melbourne	Kenworth Rubber Co.			x		
Moonee Ponds/ Victoria	Ormiston Rubber Co. Pty.			x		
Richmond/ Melbourne	Ansell Rubber Co. Pty. Ltd.			x	x	
Richmond/ Victoria	Leggett Products Pty.			x		
Sydney	Merco Tire & Rubber Co.			x		
Sydney/ Granville	Goodyear T & R Co. Ltd. (Australia)	790,000	35%	x	x	
Sydney/ Melbourne	Dunlop Rubber Ltd. (Australia)	750,000	34%	x	x	
Victoria	Goldings Pty. Ltd.			x	x	
West Footscray/ Victoria	Hopkins, Odlum Pty. Ltd			x		
Actual Total - All Companies Listed		2,300,000	100%			
PERCENT OF FREE WORLD TOTAL			1.6%			

BURMA

Rangoon	Burma Rubber Works Burma Tire Works National Rubber Works Star Rubber Mfg. Co.	Retread	x
Actual Total - All Companies Listed		0	
PERCENT OF FREE WORLD TOTAL		0%	

S E C R E T

APPENDIX C. (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH.	FOOT WEAR	DRUG SUNDRIES
				RUBBER GOODS		
INDIA						
Batnagar/ Calcutta	Bata Shoe Co. (Batnagar)			x		
Bombay	Cosmos Rubber Co. Firestone T & R Co.** Jai Hind Rubber Products	372,000	32%	x x		
Calcutta	Calcutta Rubber Mfg. Co. East India Rubber Works Kohinoor Rubber Works India Rubber Goods Mfg. Co. National Rubber Mfg. Olympia Rubber Works United Rubber Works Bhowanpur Rubber Mfg. Co.	solid bicycle		x x x x x x x	x x x x	
Coimbatorg/ Madras	Nanco Rubber Co.			x		
Delhi	Randerian Rubber & Chemicals	solid		x	x	
Kaupier	Cooper Allen (Goodyear Tire & Rubber Co.)** National Tannery			x x		
Kottayam	National T & R Co.			x		
Liluah, Horwah	R.D.S. Jaine Rubber Mills, Ltd.	bicycle		x		
New Delhi	B.N. Rubber Works			x		
Sahanganj	Dunlop Rubber Co.* of India Ltd.	520,000	68%	x		
Trevandrum	Trevancore Rubber Works*** (Goodrich)	bicycle		x		

* Dunlop manufactures approximately 153,000 tires for Goodyear and 120,000 tires for India Tire & Rubber Co., and has a capacity of 630,000 tires per annum.

** Firestone reportedly has a capacity for 450,000 to 600,000 tires per year.

*** Proposed tire factory with annual capacity of 150,000 auto tires.

Actual Total - All Companies Listed 392,000

PERCENT OF FREE WORLD TOTAL .6%

INDOCHINA

Haiphong	Chenal	x
Saigon	Fab. Indochine de Couthue solid and Labbe bicycle (tires, inner tubes)	x
	Liandiat Michelin Oberi Lofarl Tires	
Unknown	Bata	x
Actual Total - All Companies Listed	0	
PERCENT OF FREE WORLD TOTAL	0%	

S E C R E T

APPENDIX C. (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
<u>INDONESIA</u>						
Bandung	N.V. Fateru Java Rubber Industries			x	x	
Bogor	Goodyear Tire & Rubber Co.	232,363			x	
Cheribon	N.V. Miri					
Djakarta	Bata Bata Shoe Co. Hok Thay Hin cycle tubes Java Rubber Factory cycle tires and tubes National Rubber Co. cycle Rubberfabriek Sicc & Co. cycle tubes		x	x	x	
Medan	Sumatra Rubber Works	cycle tires and tubes				
Semarang	Rubber Factory Orie					
Surabaya	Rubberfabriek Ngagel			x		
Tjirebon	Netherlands Indies Rubber Industry			x		
Padang	Rubberfab. Gc Goan The					
Actual Total - All Companies Listed		232,363	100%			
PERCENT OF FREE WORLD TOTAL			.16%			

JAPAN

Hokkaido	Mitsumma Gomu KK			x	x
Kobe & Nankai	Bando Chotai Gomu KK			x	
Kobe, Shikoku	Mitsubishi Chotai KK			x	
Kobe/ Kyushu and Fukuoka	Dunlop Rubber Co.	300,000	26%	x	x
Kureme and Yokohama	Bridgestone Tire KK (Goodyear)	400,000	22%	x	
Kurume and Kumamoto	Nikka Gomu KK Taisel	bicycle 5,000			x
Osaka	Ohtsu Gomu KK	80,000	3%	x	
Osaka/Ibaragi and Sakai	Kakuichi Gomu KK	bicycle tires			
Osaka, Nishi- nom'wa- Tokuyama	Toyo Gomu KK	110,000	9%	x	x
Osaka & Tahoku	Fukusue Tabi KK			x	

APPENDIX C (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. GOODS	RUBBER WEAR	FOOT WEAR	DRUG SUNDRIES
<u>JAPAN (Cont'd)</u>							
Sendai	Mitsuma Koshin Gomu KK			x	x		
Senju & Ogu	Showa Gomu KK	bicycle		x			
Staru	Towa Gomu KK			x	x		
Tamakawa	Nitto Gomu KK	70,000	3%				
Tamano	Uno Koei Rubber Mfg. Co.			x			
Tokyo & Urawa	Fujikura Gomu KK	10,000 (bicycle)			x		
Tsurum/Yokohama- Mishima & Fuji- sawa	Yokohama Gomu KK	375,000	31%	x			
Yokkaichi, Matsuzaka	Takai Gomu KK			x			
Actual Total - All Companies Listed		1,350,000	100%				
PERCENT OF FREE WORLD TOTAL			.95%				

MAIAYA and
SINGAPORE

Klang	Bata Shoe Factory Ng Tiong Kiat Wilkinson Process	Camelback bicycle tires	x			
Kuala Lumpur	Selangor Rubber Works Chit Huat Chip Bee Rubber Works (Foch Sun)	Camelback "				
Ipoh	Hock Hin	"				
Selenya, Kuala- Lumpur	Fung Keong Rubber Mfg.		x	x		
Singapore	Asia Rubber Works Cressonite Industries, Ltd. Lam Choon Rubber Goods Mfg. Co. Wagup Rubber Works	bicycle tires Camelback	x	x		
Actual Total - All Companies Listed		0				
PERCENT OF FREE WORLD TOTAL			0%			

APPENDIX C. (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. GOODS	RUBBER WEAR	DRUG SUPPLIES
<u>NEW ZEALAND</u>						
Auckland	Heid Rubber Co. Ltd.	150,000	29%	x		
Christchurch	Empire Rubber Mills Firestone & Co. Ltd. Marathon Rubber Footwear, Ltd.	200,000	33%	x		x
Upper Hutt and Christchurch	Dunlop Rubber Goods Co. Ltd.	150,000	38%	x		
Wellington	Bramall, Ltd. Dunlop Rubber Goods Co. Ltd. Paretex, Ltd.	Camelback cycle		x	x	
Actual Total - All Companies Listed		500,000	100%			
PERCENT OF FREE WORLD TOTAL			.4%			

PHILIPPINES

Cebu	Victory Rubber Mfg. Vulkan Rubber Corp.		x	x	
Manila	El Porvenir Rubber Products Inc.** Jacinto Rubber & Plastics Co. Inc. Mabuhay Rubber Corporation Marcelo Rubber & Latex Products Inc.* New Olympian Rubber Prod. Co. Rizal Rubber Enterprises		x	x	

* Production of tires not expected until second half of 1952, and is expected to reach a capacity of about 500 tires per day in 4 or 5 months (150,000 p.a.).

** Machinery installed. They claim production of first tire November 1951.
No further report.

Actual Total - All Companies Listed	0
PERCENT OF FREE WORLD TOTAL	0%

TAIWAN

Aiping	Combined Service Forces	x		
Taipeh	Chien Tai Rubber Works	bicycle		
Taiwan	Taiwan Industrial and Mining Corp.		x	x
Actual Total - All Companies Listed		0		
PERCENT OF FREE WORLD TOTAL		0%		

S E C R E T

APPENDIX C. (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	MECH. RUBBER			FOOT WEAR	DRUG SUNDRIES
			% OF TOTAL	GOODS	MECH.		
<u>THAILAND</u>							
Bangkok	Dolly Rubber Mfg. Co.	Camelback and bicycle tubes		x	x		
	J. J. Ho Ltd.			x			
	Bangkok Tire Co.						
	Far East Rubber Co.						
	Ngai Heng Co.	recap					
	Thensee Wat Rubber Works						
	Tai Thong Rubber Works						
Haad Ya, S. Thailand	Fock Heng Works						
	Thai Rubber Co.	bicycle tires, retread		x	x		
	Thaijum Rubber			x			
Prokanong/ Bangkok	United Rubber Pl.			x			
	Praneet Ind.	bicycle tires		x	x		
Rang Muang Rd.	Seng Thai Rubber Factory						
Selom Rd/ Bangkok	Kieng Min Factory			x			
Thanhuri	Good Luck Mfg. Co.			x	x		
	Singapore Rubber Works	recap					
Actual Total - All Companies Listed			0				
PERCENT OF FREE WORLD TOTAL			0%				

GRAND TOTAL 5,274,363

PERCENT OF FREE WORLD 3.7%

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S E C R E T

S E C R E T

APPENDIX C.

FABRICATION OF RUBBER END ITEMS IN THE
COUNTRIES OF THE FREE WORLD DURING 1951.

D. EUROPE including ENGLAND

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH.	FOOT WEAR	DRUG SUNDRIES
				RUBBER GOODS		
Austria						
Gumpaldskirchen	Richard Klinger			x		
Vienna	Felten & Guilleaume Perfecta Weiner Semperit Viborain A.G.	400,600	100%	x x x x		
Vorarlberg	Alemania Gummawarnfabrik Muller					
Actual Total - All Companies Listed		400,600	100%			
PERCENT OF FREE WORLD TOTAL			.3%			

BELGIUM and LUXEMBOURG

Alost	Sacic		x			
Gand	Colonial Rubber		x			
Ghent	Bergougnan Lechat Couirories Mt. St. Amand		x x x			
Lanaken	Carideng		x			
Lembeq	Gheysen		x			
Liege	Englebert et Co. Scenatzzy	500,000	x x			
Luxembourg - Colyar-Berg	Goodyear SA	125,000				
Tournai	Colman		x			
Vervier	Houben Dejans Simac		x			x
Zuen	Michelin SA	200,000				
Actual Total - All Companies Listed		825,000	100%			
PERCENT OF FREE WORLD TOTAL			.6%			

APPENDIX C. (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
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DENMARK

Copenhagen	Codan Colatex Dansk Gummi Industri Soborg Dansk Latex Industri Latexa Nordisko Kobel og Traad-fabrikker Nordisk Gummi & Guttaperka Plastica Fabrikkin Schoening & Arve	bicycle		x	x	x
Helsingør	Tretorn	Camelback			x	
Herler	Herler Gummifabrik			x		
Horsens	Jjlland	bicycle				x
Koge	Dansl Galoche og Gummi-fabrik				x	
Odense	Roulunds Fabrikker Skandinavisk Gummifabrik			x		x

Actual Total - All Companies Listed 0

PERCENT OF FREE WORLD TOTAL 0%

FINLAND

Drumso/ Helsingfors	Oy Vulcan AB		x		
Helsingfors	Savio		x	x	
Nokia	Suomen Gummitehdas Oy	99,809	100%		
Tammerfors	Tammer Tehtaat Oy			x	
Actual Total - All Companies Listed		99,809	100%		
PERCENT OF FREE WORLD TOTAL			.06%		

FRANCE

Billancourt	Renault	500,000		
Clairoix-Margny- les Compignes	Englebert	80,000		
Clermont- Ferrand	Michelin	5,000,000		
Colombes	Bergougnan- Kleber Colombes	300,000 1,000,000		

APPENDIX C. (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
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FRANCE (Cont'd)

Langlenc-						
Montargis	Hutchinson	12,000				
Montlucon	Dunlop	2,200,000				
Orleans	Michelin	Production just started				
Actual Total - All Companies Listed		9,092,000	100%			
PERCENT OF FREE WORLD TOTAL			6.3%			

GERMANY-WEST

Aachen	Englebert Gummiwerke					
Fulda	Gummiwerke Fulda					
Hanau	Dunlop Compagnia A.G.	1,500,000				
Hannover	Continental Gummi- werke A.G.	3,600,000				
Harburg	Harburger Gummi Waren- Fabrik Phoenix	600,000				
Ho hsttim/ Oldenburg	Veith Gummiwerke	360,000				
Karlsruhe	Michelin Gummiwerke					
Munich	Metzeler Gummiwerke					
Actual Total - All Companies Listed		5,346,100	100%			
PERCENT OF FREE WORLD TOTAL			3.8%			

GREECE

Athens	Avro Inc. Ebea Rubber Co. Elviela Ethel Florex Co. Karthea Tevika Vulcania		x	x		
	Eba M. Asmoniades	cycle tubes	x	x	x	x
Chalkis			x			
Piraeus	Indiana Rubber Co.	cycle tires	x	x		
Salonika	Alyssida Even Herakles Macviel Tek		x	x	x	x
Actual Total - All Companies Listed			0			
PERCENT OF FREE WORLD TOTAL			0%			

S E C R E T

APPENDIX C (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	MECH.			DRUG
			% OF TOTAL	RUBBER GOODS	FOOT WEAR	

IRAN

Tehran	Sepuh Vahramian Emil Elward & Co. Mehrabian & Co.		x	x	x	
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Actual Total - All Companies Listed	0					
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PERCENT OF FREE WORLD TOTAL	0%					
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IRELAND

Cork	Irish Dunlop Co.	245,000				
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Actual Total - All Companies Listed	245,000					
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PERCENT OF FREE WORLD TOTAL	.17%					
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ISRAEL

Haifa Bay	Hamegaper, Ltd.	Camelback	x	x		
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Jaffast, Haifa	Frank Levi		x			
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Hadera	Alliance Tire & Rubber Co. (Dayton Rubber Co.)*					
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Petah-Tikva	General Tire & Rubber Co.*					
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* Under construction. Production planned for 1952.

Actual Total - All Companies Listed	0					
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PERCENT OF FREE WORLD TOTAL	0%					
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ITALY

Milan	Pirelli-Sesto San Giovanni		x			
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Rome	Pirelli-Tivoli	2,100,000	x	x		
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Turin	Michelin Italiana	450,000				
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Turin	CEAT - Gomme	90,000				
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Actual Total - All Companies Listed	2,640,000	100%				
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PERCENT OF FREE WORLD TOTAL		1.7%				
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S E C R E T

APPENDIX C. (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH.	RUBBER	FOOT	DRUG
				GOODS	GOODS	WEAR	SUNDRIES
<u>NETHERLANDS</u>							
Best	Schoenen Lederfabrik Bata			x			
Enschede	N.V. Ned-Am. Autobandenfabriek Vredenstein (Goodrich)	255,000	62%				
Harderwijk	N.V. Rubberfabrieken IR Laglazener					x	
Hertog- giubosch	Michelin SA	200,000	38%				
Loosduinen	Balata Bakker Hevea Meerens Vredenstein			x	x	x	x
M. stricht	N.V. Bataafsche Rubbindtstrie			x		x	
Actual Total -	Companies Listed	455,000	100%				
PERCENT OF FREE WORLD TOTAL			.3%				

NORWAY

Drammen	Refsungummifabrik			x		
Mjondalen	Mjondalen Gummivargfabrik			x	x	x
Oslo	Askim Gummivarefabrik Den Norske Remfabrik National Gummifabrik Viking Remfabrik	81,000	100%	x	x	x
Actual Total - All Companies Listed		81,000	100%			
PERCENT OF FREE WORLD TOTAL			.05%			

PAKISTAN

Karachi	Bata Shoe Company Master Mfg. Co. National Tire & Rubber Co.	cycle cycle tubes cycle		x	x	x
Lahore	Bata Shoe Co. National Tire & Rubber Co.	cycle cycle tires- and tubes		x		
Sialkot	Sind Auto Eng. Co. Dominion Rubber Ind. National Rubber Ind.	cycle tires		x	x	x
Actual Total - All Companies Listed		0				
PERCENT OF FREE WORLD TOTAL			0%			

APPENDIX C. (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
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PORTUGAL

Belga	Fabrica de Borracha Luso Fabrica Cipeca Fabrica Pirel Leacock & Cie Repeincado & Bengala			x		x
Lisbon	Fabrica de Condutores Electricos Diego do Avila			x		
Oporto/ Lousado	Mabor (Manufacture Nacionel de Borracha)	180,000	100%			
S. Joao da Madeira	Empresa Industrial de Chapelana					
Actual Total - All Companies Listed		180,000	100%			
PERCENT OF FREE WORLD TOTAL			.15%			

SPAIN*

Barcelona	J. Codina Villaonga					
Bilbao	Firestone Hispania S.I.G.A.	130,000 bicycle		x	x	x
La Sarte	Michelin	70,000		x		
Madrid	Hutchinson Ind. Procedimientos FIT		bicycle and solid	x	x	
Premia de mar- Barcelona	Galindo	20,000			x	
Santander	Continental (General)	60,000		x		
Villamevay	Pirelli	80,000		x	x	

* Capacity exceeds production figure by 350%.
Difference due to inability to obtain raw materials in 1951.

Actual Total - All Companies Listed	360,000	100%				
PERCENT OF FREE WORLD TOTAL		.3%				

SWEDEN

Gislaved	Svenska Gummifabrika*	200,000		x	x	
Helsingborg	Helsingborggummi- fabriks			x		
Norrkoping	Goodyear*	370,000		x		
Skelleftea	Skellefteagummifabrik			x		

APPENDIX C. (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
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SWEDEN (Cont'd)

Sundyberg	Sievertskabelverk			x		
Trelleborg Sundyberg	Trelleborg-gummifabriks* Nordiska Gummifabriks- AB Overman	300,000			x	
Tronnings	Tronningagummi-fabriks			x		
Ulvsunda	Ulyssundagummi-fabriks			x		
Vaernamo	Varnamogummi-fabrik	bicycle & motorcycle		x	x	
Viskafors- Svaneholm	Skandina Viskagummi- fabriks*	280,000		x	x	

* Goodyear makes Goodyear, Kelly and Dunlop brand tires. Gislaved makes U.S. Rubber and Gislaved brand tires. Trelleborg makes Goodrich and Trelleborg brand tires. Viskafors makes only Firestone brand tires.

Actual Total- All Companies Listed 1,150,000 100%

PERCENT OF FREE WORLD TOTAL .9%

SWITZERLAND

Altdorf	Draht & Kabelwerke	bicycle	x	x
Basel-Land	Maloja	bicycle		
Dipoldsaу	Alpa Werke Menzi			x
Florier	Societe Industriel de Cauchoe	Reclaiming	x	
Geltgrinden	Maurer Co.	60,000		
Herisan	Sumer & Co.		x	
Pfafficon	R&A Huber (General) "Fallas"	90,000		
Pratteln	Fabrik fur Firestone Produkte	400,000		
Richterswill/ Zurich	Gummiwerke Richterswill		x	
Actual Total - All Companies Listed		550,000	100%	
PERCENT OF FREE WORLD TOTAL			.4%	

S E C R E T

APPENDIX C. (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUPPLIES
<u>TURKEY</u>						
Ankora	Name unknown			x		
Eyup- Istanbul	Kausuk Sanayi Ve Ticaret titas			x		
Instanbul	Darby Lastic Fabrikasi Mihac Cikvasvili ve Ortaklari Victory Lastic Fabrikasi Kaucuk Iselkori Ltd.			x	x	x
Sivas	Turkish Govt. P.			x		
Actual Total - All Companies Listed		0				
PERCENT OF FREE WORLD TOTAL			0%			

UNITED KINGDOM

Birmingham	Dunlop Rubber Co.	4,800,000	40%	x
Bradford-on- Avon	Spencer Moulton & Co.			x
Burton	Pirelli Tyre Co.			
Edinburgh	North British Rubber Co.			x
Frome	Wellington West Co.			x
Glasgow	Northern Rubber Co.			x
Gravesend	Henley Tire & Rubber Co.			
Halifax	Fleming, Birkby & Goodall			x
Inchiman	India Tyre Co.	835,000	7%	
Leicester	John Bull Ltd.			x
Leyland	British Tire & Rubber Co. Leyland & Birmingham Rubber Co.			x
London	Barrow, Hepburn & Gale Bergouman Tyre Co. Davis Tyre Co. Firestone Tire & Rubber Co.- Geo. MacLellan & Co. W. Warne & Co.	1,552,000	13%	x
Manchester	Greengate & Irwell David Mosely F. Reddaway & Co.			x
Melksham	Avon India Rubber Co.			x
Rochdale	Turner Bros. Ast. Co.			x

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S E C R E T

S E C R E T

APPENDIX C (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH.	FOOT WEAR	DRUG SUNDRIES
				RUBBER GOODS		

UNITED KINGDOM (Cont'd)

Stirling	Rubber Co. of Scotland			x		
Stoke	Michelin Tyre Co.	1,433,000	12%			
Warrington	Castle Rubber Co.			x		
Wolverhampton	Goodyear Tire & Rubber Co.	1,567,000	13%	x		
Actual Total - All Companies Listed		13,002,686	100%			
PERCENT OF FREE WORLD TOTAL			9.1%			

YUGOSLAVIA

Borovo	Bata	35,000		x	x	x
Kranj	Sava	bicycle		x	x	x
Pirot	Tigar				x	x
Rakovica	Record			x	x	
Actual Total - All Companies Listed		125,000	100%			
PERCENT OF FREE WORLD TOTAL			.08%			

GRAND TOTAL 34,552,195

PERCENT OF FREE WORLD 24.2%

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S E C R E T

APPENDIX C.

FABRICATION OF RUBBER END ITEMS IN THE
COUNTRIES OF THE FREE WORLD DURING 1951.

E. AFRICA

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH. RUBBER GOODS	FOOT WEAR	DRUG SUNDRIES
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ALGERIA

Algiers	SA VIE SICAMP - RONDA				x	
El-Biar	Ets. R.W. Aorizrat			x	x	
Hussein-Dey	S.A. Jacqueline Birjonaeon			x		x
Actual Total - All Companies Listed		0				
PERCENT OF FREE WORLD TOTAL		0%				

FRENCH W. AFRICA

Rufisque	Bata			x		
Actual Total - All Companies Listed		0				
PERCENT OF FREE WORLD TOTAL		0%				

MOROCCO

French - Morocco	Societe Bata Jacqueline, Berjonn Sun & Cia Societe Africaine d'Industrie			x	x	
Actual Total - All Companies Listed		0				
PERCENT OF FREE WORLD TOTAL		0%				

SOUTH AFRICA

Benoni, TVL.	British & Union Rubber Mfg Co. (BURMCO)			x	x	
Cape Town	Duroplastic Works (Pty) Ltd.			x		
Durban	Dunlop SA Ltd.** Natal Canvas Rubber Mfg. U.S. Rubber Co. Ltd.	475,000	32%	x	x	
Howick, Natal	SA Rubber Mfg. Co. (SARMCO)			x	x	
Johannes- burg	Consolidated Rubber Industries Co. of South Africa, Ltd. Eureka Rubber Co. (North) Ltd. (solid)			x	x	

APPENDIX C. (Cont'd)

LOCATION	NAME OF COMPANY	TIRES	% OF TOTAL	MECH.	RUBBER	FOOT	DRUG
				GOODS	WEAR	SUNDRIES	
Johannesburg (Cont'd)	D. I. Fram & Co. (Pty) Ltd.			x		x	
	National Plastics Corp.			x		x	
	Star Rubber Co.					x	
	Tensile Rubber Co.	(industrial)		x			
	Transvaal Rubber Co.			x		x	
	(Pty) Ltd.			x		x	
	Vulcan Rubber Co.			x		x	
	Vulco Chemicals			x			
Port Elizabeth	General Tire & Rubber Co.***	110,000	7%				
	Firestone T & R Co.	535,000	37%	x			
Pretoria	Asca Electric SA			x			
Roodepoort	R.K. Stocks Co.			x			
Uitenhage, C.P.	Goodyear T & R Co. (SA) Ltd.**	350,000	24%	x			
Vereeniging	African Cables, Ltd.			x			
* Goodyear manufacturers for Kelly.							
** Dunlop manufacturers for India.							
*** General manufacturers for U.S.							
Actual Total - All Companies Listed		1,470,000	100%				
PERCENT OF FREE WORLD TOTAL			1.3%				

GRAND TOTAL	1,470,000
PERCENT OF FREE WORLD	1.3%

GRAND TOTAL, FREE WORLD	142,342,499
PERCENT OF FREE WORLD	100%